



IPW

Docket No.: SON-2977  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Junichiro KOBAYASHI

Application No.: 10/805,309

Confirmation No.: 9147

Filed: March 22, 2004

Art Unit: 2812

For: SEMICONDUCTOR DEVICE AND  
METHOD OF PRODUCING SAME

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Applicant, through its representatives and attorneys, hereby brings to the attention of the examiner the four (4) documents noted on the accompanying Form PTO/SB/08. Copies are provided. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. This submission is timely in that it is made prior to the first action on the merits of this application.

This will also certify that each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Specifically, these documents were noted in a European search report (ESR) dated May 4, 2005 for the corresponding EP application. A copy is provided for the convenience of the examiner and so that the relevance of the documents, including the foreign language document, can be seen.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material

information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

Please take this information, along with the information at pages 1 to 6 of the specification as filed, into account in the initial examination of this application and make its consideration of record.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references. However, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-0013, under Order No. SON-2977. A duplicate copy of this paper is enclosed.

Dated: May 24, 2005

Respectfully submitted,

By 

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PTO/SB/08a/b (08-03)

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/805,309	
			Filing Date	March 22, 2004	
			First Named Inventor	Junichiro KOBAYASHI	
			Art Unit	2812	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	SON-2977

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US 2001/0015474 A1	08-23-2001	Blayac, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	FR 2 726 125	04-26-1996	Thomson CSF		<input checked="" type="checkbox"/>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	S.G. Jarrix, et al., "Analysis of 1/f noise current sources in InP/InGaAs heterojunction bipolar transistors", Journal of Applied Physics, Vol. 93, No. 7, pages 4246-4252 (April 1, 2003)	
	CB	Yongjoo Song, et al., "Reduction of extrinsic Base-Collector Capacitance in InP/InGaAs SHBTs using a new base pad design", Conference Proceedings, 14 <sup>th</sup> Indium Phosphide and Related Materials Conference, IPRM, Stockholm Sweden, May 12-16, 2002, Inter. Conference on Indium Phosphide and Related Materials, NY, NY: IEEE, US 12 may 2002, Pgs 165-168	
	CC	European Search Report dated April 20, 2005	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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